## NEWLY IDENTIFIED POTENTIAL AREAS OF CONCERN

NE-1402 NE-1402 NE-1402 NE-1402 SE-1601.1 & SE-1601.2 SW-1700 D00-500 D00-500	N/A 6 6 6 Site wide
	N/A
NB-1401	6
NB-1402	· v
NB-1 <b>403</b>	9
8B-1600	, ,
SB-1601.1 & SB-1601.2	<b></b>
3W-1700	U,
000-500	Site wide
000-501	Sio wide
100-600	13

	Deceasery.				200		
• <del>•</del>	The disturbed selector was released to the strooghers, so no remedial actions are	oN	Related asbestos was wested down and pipes were repaired.	12 linear feet of	Asbestos insolation disturbed in	13	100-610
r is still in to the could be rator rator rator rator	Directes and fluent are toxic and their presence should be examined. If the incinentor is still in place, building uncer samples abould be collected. In addition, soil samples should be collected from downwist of the incinerator (coultern edge of the 600 Area) and analyzed for dioxins.	Хы	Модь	Dioxins and furans	Insiners for releases to the sir, 1980-1985	13	J02-609
ber 1991 d the loid mer leaks	A PCB survey was conducted in October 1991 (BG&C), 1991). This survey evaluated the contents of all transformers at RFP. Soil contaminated with PCBs from transformer lealer should be remediated, since PCBs to not degrade and are not transported readily.	Yes	Nons	0.25 gallons of PCB containing oil	Transformer leak onto ground, 1989	tit .	100-608
ber 1991 d the fail mer leaks not	A PCB survey was conducted in Ordiner 1991 (EGdeCl, 1991). This survey evaluated the contents of all transformers at RFP. Sail communicated with PCBs from transformer leaks should be remediated, since PCBs do not degrads and are not transported readily.	Yes	Nane	PCB bearing cooling all	Transformer leak onto gravel basement floor, 1984-1986	. 33	J00-607
All in 1989	TCE is very volatile, so an 8-cuacs spill in 1989 would no longer be of concern.	No	None	8 ounces of TCE	Spill ordn asphalt, 1989	13	100-606
and the	Hecquae of the small size of this spill and the type of nuterial involved, (tydraulic oil does not contain PCBs), no remedial actions are werested.	. ¥	No documentation was found which detailed a response.	2 gaffons hydraulic oil	Spill onto asphalt or soil, 1989	. 13	J00-605
not likely therefore	Sanhary sewer lines from trailers are not likely to contain any impasting contaminants, therefore investigation is not warranted.	N <sub>0</sub>	The pipes were repaired.	Unknown	Loaking sanituy sewer pipes, 1990	13	100-604
of the area is not deals those.) numerally the a	The soil was contaminated as a result of the break in the process waste line. This area is not bring studied as part of CU9. (CU9 deals enclarately with abendoned process waste lines.) Therefore all breaks or refeares from currently operating process waste lines will require a separate remedial investigation.	Yes (Could be easily incorporated in OU13 RI process)	The spill was neutralized and soil samples ware collected to confirm that contamination was restricted to the area.	Hydrochlorie and nitric acids, urine, ammonium thlocyanase, ammonium todide, and ammonium hydroxide	Overflow of process warts from Building 123 in 1989	13	100-603
result of the This see is not OUS deals coss waste lines; from currenty ill require a	The soil was contaminated as a result of the break in the process waste line. This even is not being studied as part of OUS. (OUS deals exclusively with abundanced process waste lines.) Therefore all breaks or releases from currently opening process waste lines will require a separate remedial investigation.	Yes (Could be saily incorporated in OUI3 RI process)	The spill was near two IHSSs scheduled for remediation investigation, so no action was taken.	25 gallons urine, 12.5 gallons titrio seid, 20 gallons bydrochloric scid, 1.5 pounds emmonium thiocyenete, 1.0 pound ammonium iodide, 2.5 gallons emmonium hydroxids	Break in Building 123 process waste line in 1989	ដ	100-602
and the koric acid	The small size of the spil (8 canses) and the consite nature of 1,2-ethythexyl phosphorio acid indicates that this spill does not require remediation.	No	None	8 onnses 1,2-edylhezyi phosphoric scid	Spill onto ground, 1989	13	100-601
	Yvarrenbed (1984)				II Ned of the state of the stat	Nead or in	N P

Appropriate remedial actions were stready conducted.	*	Wasto was cleaned up and packaged.	2 gallons uniteded gasofine	Gasoline spill from supply truck in 1991	13	300-710
A PCB survey was conducted in October 1991 (EGREG, 1991). This survey should evaluate the contents of all transformers at RFP. Soil contents atomic with PCBs from transformer leafs should be remediated, since PCBs do not degrade and are not transported readily.	Yœ	None	772 ppm PCB oil	Transformer leak	13	300-709
A PCB survey was conducted in October 1991 (EG3cG, 1991). This survey evaluated the contents of all transformers at RFP. Soil contaminated with PCBs from transformer lasks should be remediated, since PCBs do not degrade and are not transported readily.	You	The transformers were retrofilled in 1987.	PCB containing oil	Transformers leaking omo pad of unknown composition until 1987	10	300-708
The 3 gallons of sanisace have already evaporated.	No	None	3 gallous of water and sanitizer (water and formeldabyde)	Liquid spill from tank onto esphalt in 1985	13 and 10 ·	300-707
Appropriate remedial ections were alreedy conducted.	No	The physicod and consists were washed with soup, the fiquid was pumped to the waste system, and saturated said and idening materials were removed and treated as low-level mixed wasse.	2 gallons of process waste stream included a variety of chomicals	Splii from Tank 805 north of Building 374 in 1989. Liquid spilled onto plywood deck, dripped onto concrete slab, migrated toward sump embedded in sand	8 pag 0[	300-706
Appropriate remedial actions were already conducted.	*	The liquid was pumped back into the process waste line.	Potentum hydroxide	Spill into containment berra from storage tank morth of Building 374 in 1989	10 and 8	300-705
Fluorine vapora have already been dispersed to the stanosphere.	No	None	Smoke and fluorina vapour	Fire on mof of Building 381 in 1982	10 and 8	300-704
Residuals and releases from fire 22 years ago would not be present.	*	Hire was extinguished by fire department with water and dry chemical.	Oil vapors and burned road oil residual	Road oil report were ignited in 1970	13	300-703
Soil around Building 367 and along trainage pethways are probably contaminated with meddual pasticides and herbleides. Further investigations could include select soil and ditch aempling with analysis for organophosphorus and chlorinated herbicides.	Yes	Soil sampling was scheduled in 1988, but there is no record verifying that the sampling was conducted.	Pesizides and herbicides in unknown quantities	Spills and leaks of posticides and herbioides stored in Building 367 between 1952 and 1988.  Consermants released onto soil and possibly nearly drainage ditch.	13	300-702
Appropriate remedial actions were already taken.	8	Solution removed with vacuum and floor washed, waste sent to process waste system.	20 gafons filmted sulfinie reld	Liquid spill case loading dock in 1989	13	300-701
There is no evidence that burying screp building material had any impact on the environment.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The material was removed and taken to the sanitary landfill. No radioactivity was discovered in the tranch.	Buried material contained of reofing material, styrotoam, asphalt, and plastic thering	Unknown, scrap building material was buried in treach from 1955-1981	14	300-700
Appropriate remedial actions were already takes.	No.	Spill contained and cleams using Oil- Dri. Residue placed is drum for disposal	3 quiets potassium hydroxida	Niekal-cadmium battery fall onto pavement in 1991	13	100-612
Becans and pile into which the spilled solution overflowed may not have completely contained the release.	Yes	All spilled materials were commined and transferred to process waste lines.	Sevensi hundred gailons of acidio serubbing solutions	Liquid spill into containment sees and 3 pits under Building 123 in 1989	13.	100-611

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A PCB nurvey was conducted in October 1991 (EG&G, 1991). This survey crainabed the	Yes	None	50-500 mg/L PCBs	Transformer oil	<b>04</b>	500-900
Field sampling activities (surficial soils and sediment sampling) in OUI2 work plan will sufficiently investigate this location.	Yes	Исше	14.5 grams beryllium	Fire in the inlest-duct of the beryllium six plenum for Building 444 in 1978	12	400-\$10
Appropriate remoded actions were already taken.	No	Spill cleaned up with absorbant material and packaged for disposal.	1 quant motor oil	Oil teak was found in motorcycle parking fot in 1991	12	400-309
Appropriate remedial actions were already taken.	No	Contaminated soils were removed	1 quart vecture pump off	Oil leaked from vacuum pump	12	400-808
Piejd sampling activities (nd survey, surficial soils and sediment sampling) in OU12 work plan will sufficiently investigate this location.	· Ya	None	Usknown	Sandblasting of relivoid care released contemisants to the sir. Sandblasting may still be in operation.	12	400-807
Appropriate remedial ections were sinedy conducted.	No	The liquid was cleaned up using Oil-Dri and residue was placed in bezardom material waste drums.	5 galloca polymethyleno polyphyliwocyanate	Leak from production tenk north of Building 440 onto pavement in 1989	10(7)	400-306
Appropriate semedial actions were skeedy conducted.	No	The filler pipe was repaired.	Puel	Leak from a filler pipe near tank #9 in 1990	13	400-805
Field sampling solvitics (rad survey and aspiralt sampling) in OUI2 work plan will sefficiently investigate this location.	Ϋ́ε	The ignote removed, the area was dry vacuumed, and not spots were covered with asphelt.	Radioactivity	Four ingols of unknown composition fell from a truck ordo appear in 1957.	14	400-804
Dumping silver and aluminum paint would release herey means to the soil. It is suggested that sail samples be collected from the area around the storm drain and along the disch and analyzed for lead, cafmium, chromism, and analyzed for lead, cafmium, chromism, and analyzed for lead, cafmium, chromism, and	Yes	There is no evidence to suggest that remedial actions were conducted.	Silver paint, oil, and ain minus paint	Mircelianeous materiata were dumped into storm drain near Building 446 in 1972. Mixture found along open dich south of Cottonwood Ave. northeartward to Seventh Ave.	12	400-802
Soil around the concrete storage area and possibly under the area may be contaminated with uranium. Collection of soil samples around this storage area is suggested.	Yer	The drums were removed in 1956 and the concrete was decoctaminated with perchloroschene. The equipment was moved to another area. After cleamin, parts of the slab registered 108 disintegrations/minute (d/m).	Depleted usunium chips immersed in oil stored in 125 30-gallon drussu	Drums leaking on a cosorete sish from 1955-1969. Byuipment stored on alsh was also contaminated by the leaking drums	14	400-802
Need to confirm that all material contaminated with PCHs has been removed.	Yes	The rooting material was removed.	PCB contaminated transformer oil; smear samples contained 120- 94 mg of PCBs	Trentformer leak on mof of Building 447 (1987)	12	400-801
A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the contract of all transformers at RFP. Soil contractionted with PCBs from transformer facks alrould be remediated, since PCBs do not degrate and are not transported readily.	Yes	The transformer was removed.	Dielectrio fluit; streat samples conteined 10,964 ppm PCBs	Small leak from a transformer (19877)	13	400-800

			Up to 300 counts/min.	Drum leaked waste from Building 881 octo alab.		
		The contamination (up to 3,000 d/m) was removed. Leaking drums ware returned to Building \$81.	3,000 counts/min.	Mar. 1960 - Drums with foose lids contaminated 2 square feet of slab with solid material from Building R33		
		The area was cleaned "to an extent" and leaking drum contents transforred to a second drum. (Smear count in 1959 found 100,000 counts/min, not related to specific release.)	Contaminated wasts coolant	Sept. 1953 - Punctured drum leaked highly conteminated wasts coolant from Building 776		
Stil tround this concrete side and possibly under the pad may be contaminated with utunium. Collection of soil samples around this slab are suggested.	Yes	The drams were repected and the south end of the slab decortaminated.	Still bottoms and oils	Nov. 1954 - Drums losted still bottoms and oils from Building 444 onto slab	14	1001-009
A PCB survey was conducted in Occiober 1991 (EGAEG, 1991). This survey evaluated the contents of all transformers at RFF. Soil contentiated with PCBs from transformer lesks should be remediated, since PCBs do not degrade and are not transported readily.	Yes	Action was proposed, but completion was not documented.	>500 mg/L PCBs	Transformer oil	1. 4.	600-1000
A PCB survey was conducted in October 1991 (EG&G, 1991). This survey evaluated the contents of all transformers at RFF. Soil conteminated with PCBs from transformer leaks should be remediated, since PCBs do not degrade and are not transported readily.	Yea	Noae	PCB	Transformer leak	óns .	500.905
A PCB survey was combeted in October 1991 (EIGEG, 1991). This survey evaluated the contents of all bransformers at RIP. Soil contentianists with PCBs from bransformer leaks should be remediated, since PCBs do not degrade and are not transported readily.	Ϋ́	The transformers were retrofilled in 1987.	Transformer 223-1 contained > 500 ppm PCBs Transformer 223-2 contained < 50 ppm PCBs	Tyansformer looks	çsa	500-904
The 1991 incident had no impact on fixe environment. The 1981 event condend of a selease of fact than 4 fluid on into a cargo container. It is unclear whether any inclease was made to the environment, but due to the small amount of release and the small guity involved, further investigation seems to be uniscessary.	<b>8</b>	1988: Leaking drum and cleamy debris placed in overpack drum.  1991: Leak was completely contained within secondary containment pan.  Leaking drum placed into overpack drum.  Spill yumped into new drum.	1983; <4 ounces of \$9-63 ppm PCBs 1991; 49 gallons of Trim-sol' lubricant mixed with wasts oil	1988 - Drom lesked in RCRA storage unit #1 1991 - Release in storage unit	04	500-903
A PCB survey was conducted in October 1991 (EG&G, 1991). This survey evaluated the contents of all transformers at RFP. Soil contaminated with PCBs from transformer lesks thould be remediated, since PCBs do not degrade and are not transported reedily.	Yes	The impsformer was retrofilled in 1987.	>500 ppm PCBs	Transformer leak	24	500-902
A PCB survey was conducted in Ociober 1991 (EG&G, 1991). This survey evaluated the contents of all transformers at RFP. Soil contaminated with PCBs from transformer leaks should be remodisted, since PCBs do not degrade and are not transported readily.	Yes	None	55 ppm PCBs	Transformer oil	00	500-901
EMPONION OF THE PROPERTY OF TH	To the second se	Remedial Actions		Type of Rolewe	Located Near of in Other Control	

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	Yes	PCBs were to be cleased up with Building 707 under the Toxic Substances Control Act.	135-7,200 дв РСВа	Transformer cit	œ	700-1103
A PCrvey was conducted in October 1991 (BG& 1991). This survey evaluated the condence of all transformers at RIF. Soil condumnated with PCBs from transformer leaks shoulc—remediated, since PCBs do not degramment are not transported readily.	Ϋ́	The transformer was removed for retro- filing and relocation several feet to the north. The pad was partially removed to 4 inches deep and appears to have had fill recently placed around it.	14,900 mg/L PCBe	Transformer oil	oa	780-1102
Lounce—wasta water may contain for level radios—se contamination. The enters of this radios—tly warrants further luvestigation	Yes	Nano	Laundry wastewater (probably low-level)	Laundry wastewater tank overflowed west of Building 778 into tank pit.	14.	700-1101
	Хeв	None	Possible plutonium	1964 and 1969-Platonium contemination from insidents potentially transported along french drain.	14	700-1100
A PC	Yes	None	PCB	Transformer leak	14	600-1003
A PC Marrey was conducted in October 1991 (BGR 1991). This survey evaluated the content of all transformer at RPP. Soil contangented with PCBs from transformer leaks shouls remailstad, since PCBs do not deginement are not transported readily.	Yes	None	)CB <sub>4</sub>	Transformer Storage Area Leak	juá da,	600-1002
	•		Not specified	Sept. 1963 - Drum contaminated a fork truck, panel track, and semitrailer in Building 663.		
		None	Not specified	Mar. 1963 - Three drums leaked wards and contaminated trailers, forklifts, work ares, and personnel clothing and shoes.		
Abova	Above	Equipment was decontaminated or replaced.	Warts from Buildings 444 and 776	Aug. 1961 - Drums leaked waste from Buildings 444 and 776 in Building 663	14	(cont.)
		None	No contamination detected  Wasts from Building  881	May 1960 - Cocroded drums leaked acidic waste meterial from Building 811 onto loading facility  June 1969 - Drum leaked waste from Building 881 onto tesh		
		Rameda Actions			Manual Ma	

700-1104 700-1104 700-1105	S S S S S S S S S S S S S S S S S S S	Transformer oil  Transf	1,035-3,350 pg PCBs  1,035-3,350 pg PCBs  PCBs  PCBs  10 gallous radioactivs process wastewater (no radioactivity found on attact at the time)  1 to 2 gallous oil	Rentherinal Activities  Transformers were moved and re-rofilled. Rock and gravel fill was placed eround the transformar pad west of Building 708.  Transformers were retrofilled and moved several feet east and north.  None  None  *Col-Dri* was poured over the area to absorb the spilled oil. "Cil-Dri" was to be swept up, placed in a drum, and the county of the several feet and the county and the county of the several feet and the county and the county of the several feet and the county and the county of the several feet and the county and the county of the several feet and the county and the county of the several feet and the county and the coun	Yes  Yes  Yes	A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the contents of all transformers at RIP. Soil contaminated with PCBs from transformer leaks should be remediated, since PCBs do not degrade and are not bessported readily.  A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the contents of all transformers at RIP. Soil contents of all transformers at RIP. Soil contents of all transformer transformer leaks should be remediated, since PCBs do not degrade and see not transported readily.  The magnitude of the rad contamination from samples of the process wastewater warrants further investigation.  Appropriate remedial actions were already conducted.
700-1106		Process wastewater from valve vault 12 leak spilled onto street from tank truck si entrance to portal 1	10 gallogs radioactive process wastewater (no redicactivity found on street at the time)	Каз	You	The megnitude of the rad esamples of the process was further investigation.
700-1107	99	June 10, 1986 - Open cil dram filled with weter from compressor house roof evenflowed and soil flowed onto road past Building 776 fuge 12, 1985 - Compressor waste oil spilled from evenfilled drum outside door 15T north of Building 776	1 to 2 gailons oil 2 to 3 gallons oil	*Cil-Dri* was pouned over the area to absorb the spilled oit. *Cil-Dri* was to be swept up, placed in a drum, and disposed in Present Landfill (PAC NW-114).  Two bags of oil absorbent were used to absorb the spill.	No	Appropriate remedial action conducted.
700-1168 	09	Process waste strange traks leaked chamical and radioactive contamination to the soil around Building 774, and minor leakage seeped to building froding drain tiles.  July 21, 1950 - Process waste line leaked  June 22, 1957 - Caustic overflowed in termed area beneath 8,000-gallon above-ground condensate tank.  Drained into western condensate receiving tank.	Mar. 1971 - 500 diaintegrations per minute per liter (d/m/L) gross alpha Apr. 1971 - 400 d/m/L photonium and 800 ppm nitrate 1,000 gailons - 2,500 pCML total alpha; 4000 pCML total alpha; 4000 pCML total alpha; 4000 pCML gross bets; 10,000 mg/L NO <sub>5</sub> pH 12.	1975 - Wet-well with a submercible prump installed at Beilding 771/774 footing drain outfall pond.  1981 - Interceptor treach pump house installed.  1981 - Interceptor treach pump house installed.  The initial response - stop flow through wraste line to stop leak. FIDLBR survey to determine estart of contamination.  Broken waste line excavated and loose thange identified. Contamin of western condensate tank sampled, and solution pumped to santiery sewer or Building 774 for processing.	Yes	Levels of redioectivity warrant condecting further scans of radioective contamidation.
700-1109	œ	Piscs of uranium found on ground between Buildings 778 and 729	Depleted unanism disk 1° dismeter by 1/2- inch thick	The uganium was transported to Building 779 Nuclear 776 then to Building 779 Nuclear Material Control custodary stored in 55-gallon drum. Sits where U found surveyed (counts within background).	W.	Depleted creation is not a serious bazard.
700-1110	**	Fire in Building 771. Nickel earthony1 cylinders drummed and buried.	Nickel carbonyl	Four 55-gallon drums; i GI can with two cylinders and 6 loose cylinders of nickel carbonyl removed from burisi pit west of Building 771 to pit eart of Solar Bysporation Ponds. Explosive charges used to destructively vent the cylinders and ignic any residual gas.	*	Appropriate remedial actions were already conducted.

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platentum e investigation wips simples of the	The presence of uranisms and plutoulum contamination warrants further investigation specifically, the collection of wips simples of the dock cutaids Building \$31.	Yes	None	Uranium, plutonium, and condensate	Uranium and plutonium and condensate contaminated east dock of Building 881	12	800-1205
ntenducting	Levels of radioactivity warrent conducting further scans of radioactive contemination.	¥ 8	None	2 gallons on about 16 sq. ft. 410,000 d/m/L alpha Decontamination water radiactivity 20 gallons process weate	Building \$86 mills  Jan. 1978 - verd pipe overflow onto ground  1984 - Tank overflow onto roof and ground  1985 - Tank overflow onto roof through downspouts and onto ground	12	800-1204
associated with this te, however the m (FAC 000-500) restigation.	No specific contaminants are associated with this break in the sanhary sower line, however the site-wide seniory sower system (PAC 000-500) is listed as needing further investigation.	No.	None	Senitacy sowego waste	Broken sanitary sewer fine between Building 865 and 886	12	800-1203
were siready	Appropriate remedial actions were already conducted.	χo	NaHCO, applied to spill and area washed down. Bettery disposed in present landful.	î qt1/2 gailon H.SO.	Battery fell from truck and bettery acid spilled on road	מ	800-1202
in the erea around	The refloactive contemination in sail in 1978 warnests further investigation in the area around Building 881.	Yu	April 1981 - Contaminated soil removed in two small areas near Building 883.  May not be same areas.	Building 881 (NW corner) notal activity = 4.5 x 10° d/m/kg 20 feet west, total activity = 1.5 x 10° d/m/kg indivity = 1.5 x 10° d/m/kg, with some platenium; unradum-235 in soil (1978)	<u>1957</u> - Plutorium fire contemination	14	800-1201
nier inverligation is	Since both the inner and the culter these pipe were found to be leating, further investigation is warranted.	Yes	Discharge waters were closed and locked out; plumbing was changed and hydrostatically tested. The inner line was removed.	Partially restratized HNQ, or sinusts water contaminated with deplated uranium (pH = 1.2) 5 galloes (>1 th redionaclides) 15 gallons (>100 fbs corrosives)	South process transfer line leaked  Mar. 15, 1989  Mar. 16, 1989  Apr. 13, 1989  Inne 1989 - Secondary chase pipe leak detected	12	800-1200
atould be a consucted in This mayey anaformers at PCBs from mediated, since not transported	The provious remedial action abould be confirmed. A PCB survey was conflicted in Ociober 1991 (BG&G, 1991). This survey evaluated the contents of all transformers at RFP. Soil contaminated with PCBs from transformer leafs should be remediated, since PCBs do not degrade and are not transported readily.	У54	Cleamp scheduled during 1989, but not confirmed.	807 урш РСВз	Transformer leak	Gel	700-1112
in October 1991  evaluated the  RPP.   Soil  transfermer leaks  CBs do not d readily.	A PCB survey was conducted in October 1991 (BG&G, 1991). This servey evaluated the cordents of all transformers at RFP. [Soil conteminated with PCBs from transformer leaks should be remediated, since PCBs do not degrade and are not transported readily.	Ya	The transformer unit was retrofilled in 1987.	₽CBs	Transformer leak	00	700-1111
		Postilion in cet grin in cet grin in in in in in in in in in in arrange			Type of Raights		

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The natural gas was dissipated to the structphere, so no remediation is necessary.	The natural stanosphere,	Νo	The pipe was repaired and 400 feet of gas line mear Building 991 were stated to be replaced in 1971.	Natural gas	Natural gas lock	٥	900-1303
Contamination was not severs and his probably degraded.	Contamination degraded.	No	The Hazardous Materials I earn sealed the lest, and a concrete containment by an was to be installed around the contractor's fuel storage facility.	Approximately 2 gallons gasolins	Gazoline spill sprayed into the air or leaked onto the ground from 55- gallon drum	10	900-1302
Further investigation of this area is recommended, because encrete stabilization has recommended, because encrete stabilization has recommended, above the headwaters of Walturt Creek. Wager could have leached radioactivity from weeks druens into Walturt Creek where it may be transported to ponds downstream.	Further investor commends to the ajra by dramas were of Walture Conditionarity Creek where downstream.	Yu	None	Drummed concreted wastes contaminated with enriched and depleted usunium	79 drums containing concreted wastes from Building 991	œ	900-1301
Monitoring is sufficient to evaluate the potential contamination from sevenge studge.	Monitoring is contamination	No.	Monitoring ground water and the vadous zone are planzed.	Low-level radioective waste sindge from sandary treatment plant	Sludge from sanitary sewage treatment revecue omnosis plant	<b>,</b>	900-1300
Appropriate remedial actions were already conducted.	Appropriate a	36	A smear sample was taken from the concrete where the leak occurred. A glass bottle was placed under the leak, shorbent pads were put on the spill, and the area was burricaded.	1 pist vil (20 PCBs)	Capacitor leak	ದ	800-1211
A PCB survey was conducted in October 1991 (EGEG, 1991). This survey evaluated the contents of all transformers at RFF. Soil conteminated with PCBs from transformer leaks should be remediated, since PCBs do not degrade and are not transported reacily.	A PCB surve (EG&G, 199) contents of al contaminated should be read degrade and a	Ϋ́α	The transformers were removed from the old pad, retrofilled, and placed on a new pad.	Postibly PCBs	Transformer leaks	r	800-1210
A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the contacts of all transformers at RFP. Soil contaction with PCBs from transformer facts should be remediated, since PCBs do not degrade and are not transported readily.	A PCB surve (BGBc3, 199) contacts of all contaminated should be rea degrade and a	Yes.	The transformats were retrofiled in 1987.	PCB4	Tensformer leaks	2	800-1209
A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the cortects of all transformers at RFP. Soil contaminated with PCBs from transformer leafur should be remediated, since PCBs do not degrate and are not transported readily.	A PCB survey (BG&G, 199) contents of all contaminated showld be rea degrade and a	Уег	The transformer was retrofilled is 1987	435 gallons 110 ppm PCBs	Transformet leak	12	800-1208
A PCB survey was conducted in October 1991 (BG&G, 1991). This survey evaluated the contents of all transformers at RFP. Soil conteminated with PCBs from transformer leaks should be remediated, since PCBs do not degrade and are not transported readily.	A PCB survey (BG&G, 1991) contents of all contaminated should be rem degrade and a	Yes	The transformer was required to be removed or replaced by fiscal year 1987 or 1988.	>500 ppm PCBs	Transformer leak	ដ	800-1207
The down is probably not at the same location.	The dam is p	. No	The shift suparintendent was responsible for improper cleanup schriftes, and Health Physics was to follow up on the incident with the proper department.	Contaminated trask	Trush container fire in Building 883	IJ	800-1206
			Bookin Adom		A Service of the Control of the Cont	O NEW TOWN	

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PIC #44	PIC #41	PIC:#9	Under Building Contambation (UBC)	900-1307	900-1306	.900-1305	900-1304	
00	Ç49	ដ	Site wide	œ	90		•	National III
Liquid contaminated to 6,700 d/m/s	Trensformer leaks	Leaking drums outside Building SS1.	Building operations released contaminants into soil or ground water under the buildings.	Explosive bonding experiment hurled a piece of aluminum 525 feet	Transformer backs	Prime coating spilled on roof of Building 991 under intake affected climate intide building.	Cheomic acid spilled in coment pit	Type of Reices 111
Unknown distillate.	PCB.	Aqueous ammonta and carbon tetrachloride.	Radiomiclides, nitrate solvents, ackis, and bases	Urerium alloy and stainless stool	114 and 60 ppm PCBs in transformers 991-1 and 991-2, respectively	Approximately 5 gallons primer Transpor Tremprime containing mineral spirits as a solvent	Several gallons chromic seid inbomicry wards	
Soil samples taken for analysis. No cleamp mentioned.	Transforms: 777-1 was scheduled for cleamp to occur on August 14, 1989.	No eleanup mendoned.	Some releases have been remediated, but a majority have never been researched.	Measures were to be evaluated to prevent malfunctions during future experiments.	PCBs were cleaned up and the transformers repaired by an outside contractor.	Primer was spread around and dried.	Steps were taked to prevent restronce.	Ramedial & July 1
Yes	Yes	¥a	Υ•	Ύн	Yes	. <b>%</b>	No	Tudlier Into Igato Ida Warrangd
Contaminated figuld was pumped to the ground wouth of building 374; no cleansp harvn.	PCEs do not degrade and are not readily transported.	Field sampling activities for HISS 158 in the OU 13 work plan will sufficiently investigate this location with minor revisions.	Under building soil and ground-water contamination resulting from building operations has not be previously addressed. Vidually every current or former building used for operation, production, or miniscenses could have contaminated the environment beaeath the buildings. It is suggested that soil sampling be conducted in hot areas of building becoments and that ground water be monitored for ell the appropriate contaminants of interest. Some of the identified PACs (100-611 and 400-157.2) pertain to contamination under buildings; these PACs may be investigated concurrently with the UBCs.	Explosive bonding experiments used uranium. The pit area should be investigated to determine the extent of radioactivity in the soil.	Need to confirm that all contaminated material was removed from this site.	Contamination was not servers and has probably degraded.	Cement pit and been functioned properly in containing the spill; therefore no release to the environment.	Raiosale
be ground	Ø	S in the OU gate this	constitution of the consti	determine	d material	a probably	early in	

## REFERENCES

BG&G Rocky Flats, 1991, "Assessment of Known, Strepect, and Potential Environmental Releases of Polychlorizated Eighteny's (PCBs)," October 1991 of Intl. w distintegrations per minute per liter pCI/L = pico-curie per liter

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